

**DEPARTMENT OF TRANSPORTATION**

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch  
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Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 99.28**WELDING INSPECTION REPORT****Resident Engineer:**Siegenthaler, Peter**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-019918**Date Inspected:** 14-Jan-2011**Project Name:** SAS Superstructure**OSM Arrival Time:** 700**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1900**Contractor:** Zhenhua Port Machinery Corporation, Ltd (ZPMC), Changxing Island **Location:** Shanghai, China**CWI Name:** Ma qian li**CWI Present:** Yes No**Inspected CWI report:** Yes No N/A**Rod Oven in Use:** Yes No N/A**Electrode to specification:** Yes No N/A**Weld Procedures Followed:** Yes No N/A**Qualified Welders:** Yes No N/A**Verified Joint Fit-up:** Yes No N/A**Approved Drawings:** Yes No N/A**Approved WPS:** Yes No N/A**Delayed / Cancelled:** Yes No N/A**Bridge No:** 34-0006**Component:** Steel Barriers**Summary of Items Observed:**

On this date Caltrans OSM Quality Assurance (QA) Inspector, Delbert Humphrey was present during the times noted above for observations relative to the work being performed at ZPMC.

OBG Bay # 16

WELDING

This QA Inspector observed the following work in progress:

Back gouging of W5-SB15-003-001, located on Steel Barrier W5-SB15-003, welder is identified as 067752, ZPMC Quality Control (QC) is identified as Mr. Ma qian li. The welding variables recorded by QC appeared to comply with WPS-B-T-2232-ESAB.

OBG Bay #28

WELDING

This QA Inspector observed the following work in progress:

FCAW welding of SA3400A-011-003, located on Splice Plate, identified as SA3400A-011, welder is identified as 059416, ZPMC Quality Control (QC) is identified as Yang Bai Qiany. The welding variables recorded by QC appeared to comply with WPS-B-T-2232-ESAB.

FCAW welding of SA3400B-011-003, located on Splice Plate, identified as SA3400B-011, welder is identified as 059378, ZPMC Quality Control (QC) is identified as Mr. Yang Bai Qiany. The welding variables recorded by QC

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## WELDING INSPECTION REPORT

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appeared to comply with WPS-B-T-2232-ESAB.

FCAW welding of SA3400A-035-003, located on Splice Plate, identified as SA3400A-035, welder is identified as 062259, ZPMC Quality Control (QC) is identified as Mr. Yang Bai Qiany. The welding variables recorded by QC appeared to comply with WPS-B-T-2232-ESAB.

FCAW welding of SA3400B-035-003, located on Splice Plate, identified as SA3400B-035, welder is identified as 205805, ZPMC Quality Control (QC) is identified as Mr. Yang Bai Qiany. The welding variables recorded by QC appeared to comply with WPS-B-T-2232-ESAB.

FCAW welding of SA3322A-036-001, located on Splice Plate, identified as SA3322A-036, welder is identified as 059416, ZPMC Quality Control (QC) is identified as Yang Bai Qiany. The welding variables recorded by QC appeared to comply with WPS-B-T-2232-ESAB.

FCAW welding of SA3221A-030-003, located on Splice Plate, identified as SA3221A-030, welder is identified as 059378, ZPMC Quality Control (QC) is identified as Mr. Yang Bai Qiany. The welding variables recorded by QC appeared to comply with WPS-B-T-2232-ESAB.

FCAW welding of SA3400A-036-002, located on Splice Plate, identified as SA3400A-036, welder is identified as 062259, ZPMC Quality Control (QC) is identified as Mr. Yang Bai Qiany. The welding variables recorded by QC appeared to comply with WPS-B-T-2232-ESAB.

FCAW welding of SA3221A-030-002, located on Splice Plate, identified as SA3221A-030, welder is identified as 059416, ZPMC Quality Control (QC) is identified as Mr. Yang Bai Qiany. The welding variables recorded by QC appeared to comply with WPS-B-T-2232-ESAB.

Unless otherwise noted, all work observed on this date appeared to be in general compliance with the applicable contract documents.



### Summary of Conversations:

No relevant conversations were reported on this date.

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## WELDING INSPECTION REPORT

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### Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Eric Tsang, 15000422372, who represents the Office of Structural Materials for your project.

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<b>Inspected By:</b>	Humphrey, Delbert
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Quality Assurance Inspector
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<b>Reviewed By:</b>	Hall, Steven
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QA Reviewer
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